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*Water Pipes*

The purpose of this project was to find the effect of the diameter of the pipe in a water pump on how high the water can travel through the pipe. Before doing the experiment, I was almost certain that the smaller the diameter of the pipe is, the further the water will travel. My variable is the pipe's diameters and my dependent variable is the height that the water traveled. I want to measure the effects of my variable (pipes' diameter) on the dependent variable (height of traveling water). The smaller the variable is, the higher the dependent variable becomes. This experiment indicates that the smaller the diameter of the pipe is, the higher the water will travel. We could use this fact in our daily life when a faucet or shower in the higher levels of a house is turned on the water needs to travel there exactly. If the diameter of the pipe is not correct, the water can't travel high enough to reach the destination. Knowing the best diameter for the pipe is important so that the water will make it to the place it needs to.